

# MATERIAL SAFETY DATA SHEET

ISF100BLACK

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## COMPOSITION/INFORMATION ON INGREDIENTS

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**Chemical Name:**  
Polyether Polyol

**CAS Number:**

**Composition:**  
~ 100%

## HAZARDS IDENTIFICATION

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CAUTION! Slightly Combustible Liquid. Slight eye irritant

## FIRST AID MEASURES

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Eye Contact:	In case of eye contact, immediately rinse with clean water for 20 – 30 minutes. Retract eyelids often. Obtain emergency medical attention if pain, blinking, tears or redness persist.
Skin Contact:	Not expected to present a significant skin hazard under anticipated conditions of normal use. Remove contaminated clothing as needed. Wash skin thoroughly with mild soap/water.
Inhalation:	Not expected to present a significant inhalation hazard under anticipated conditions of normal use. If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Wash skin thoroughly with mild soap/water.
Ingestion:	Ingestion unlikely. However, if ingested, obtain emergency medical attention.
Physician's Emergency Medical Treatment Procedure:	If swallowed, <b>do not induce vomiting</b> . Administer an aqueous slurry of activated charcoal followed by a cathartic such as magnesium citrate or sorbitol. Treat sympathetically. After adequate first aid, no further treatment is required unless symptoms reappear.
Physician's Detoxification Procedure:	Treat sympathetically
Delayed Effects:	No data available
Summary of Chronic Hazards:	No Adverse chronic effects are expected from anticipate condition of normal use of this materials.

## FIRE - FIGHTING MEASURES

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<b>This product is</b>	Slightly combustible
<b>Flash Point</b>	~165 to 191°C. (PMCC)
<b>Autoignition Temperature</b>	No Data Available
<b>Flammable Limits</b>	No Data Available
<b>Fire &amp; Explosion Hazards</b>	Heat from fire can generate flammable vapor. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Vapors may be heavier than air. May travel long distances along ground before igniting and flashing back to vapor source. Fine sprays/mists may be combustible at temperatures below normal flash point.
<b>Extinguishing Media</b>	Small Fire: Dry chemical Carbon Dioxide
<b>Extinguishing Media Use</b>	Large Fire: Foam
<b>Fire Fighting Instructions</b>	Use water spray/fog for cooling Do not enter fire area without proper protection. Fight fire from safe distance/protected location. Heat may build pressure and rupture closed containers, spreading fire, increasing risk of burns/injuries. Do not use solid water stream – may spread fire. Use water spray/fog for cooling. Avoid frothing/steam explosion. Notify authorities if liquid enters sewers or public waters.
<b>Special Exposure Hazards</b>	No additional exposure hazards expected beyond those described elsewhere in this document.
<b>Special Protection Equipment</b>	Use self-contained breathing apparatus and body-covering protective clothing. Slightly combustible.

## ACCIDENTAL RELEASE MEASURES

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### Precautions If Material Is Spilled Or Released

Slippery walking/spread granular cover or soak up. Evacuate/limit access. Equip responders with proper protection. Stop release. Notify fire and environmental authorities. Prevent flow to sewers/public waters. Restrict water use for cleanup. Impound/recover large land spill. Soak up small spill with inert solids. Use suitable disposal containers. On water, material insoluble and may float or sink. Contain/collect rapidly to minimize dispersion. Disperse residue to reduce aquatic harm. Report per regulatory requirements.

## HANDLING & STORAGE

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Handling:	Normal precautions common to good manufacturing practice should be followed in handling and storage.
Storage:	Hygroscopic. Use dry nitrogen or low dew point air for tank padding. Keep drums tightly closed to prevent contamination. Store between 20°C and 60°C.

Work practices:	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Material spilled on hard surface can be a serious slipping/falling hazard. Use care in walking on spilled material. Spread coarse, inert granular cover such as sand, on any affected walking surface.
Hygienic Practices:	Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing, wash thoroughly before reuse. Shower after work using plenty of soap and water.
Decontamination Procedures:	Isolate, vent, drain, wash and purge systems or equipment before maintenance or repair. Wear recommended personal protective equipment. Observe precautions pertaining to confined space entry.
Other Precautionary Measures:	Avoid contact with eyes. Do not handle near heat, sparks, or open flame. Keep container tightly closed when not in use. Remove spillage immediately from any hard, smooth walking areas. Do not cut or weld on or near this container. Do not pressurize. Obey all label warnings, especially during container cleaning. Refer to all federal, state and local regulations prior to disposition of container and unused contents by reuse, recycling or disposal.

## EXPOSURE CONTROLS/PERSONAL PROTECTION

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Exposure Limit:	No occupational exposure limit(s) have been established for this material or its ingredients.
<b>Personal Protection</b>	
Eye Protection:	Eye protection such as chemical splash goggles and/or face shield must be worn when possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapor. Contact lenses must not be worn.
Skin Protection:	No normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work.
Respiratory Protection:	Not expected to present a respiratory hazard due to normally low vapour pressures. Where excessive vapor, mist, or dust may result from use, use respiratory protection equipment recommended or approved by appropriate local, state or international agency.
Ventilation Protection:	Use with adequate ventilation. General mechanical room ventilation is satisfactory for normal handling and storage operations.

## PHYSICAL & CHEMICAL PROPERTIES

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		Tested in accordance with
Form:	Black Viscous Liquid	
Colour:	Black	
Odour:	Mild odor	
Initial Boiling Point:	No Data Available	
Density:	~1010 to 1050 kg/m <sup>3</sup>	

Vapour Pressure:	<0.001 mmHg (20°C)
Viscosity:	~835 to 1233 mP•as (20°C)
Solubility In Water:	Slight (0.1 to less than 1%)
PH Value:	~4 to 8
Freezing Point:	<-9°C
Dry Point:	No Data Available
Volatile characteristics:	No Data Available
Vapor Specific Gravity:	No Data Available

## STABILITY & REACTIVITY

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Stability:	Stable
Conditions To Avoid:	Decomposes when heated. Heating in the presence of air (oxygen) to temperatures above 100°C may result in the formation of aldehides.
Incompatibles:	strong oxidizing agents. Strong alkalies
Decomposition Products:	Thermal decomposition may produce carbon, monoxide and other toxic vapors.
Combustion Products:	Combustion may produce oxides of carbon and other toxic vapors.
Hazardous Polymerization:	Not expected to occur
Other Chemical Reactivity:	Reacts exothermically with isocyanates

## TOXICOLOGICAL INFORMATION

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**Ingredient Toxicity Data** Polyether polyol: Slight eye irritant

### EFFECTS OF OVEREXPOSURE

Route of Entry	Effects
Inhalation	No significant signs or symptoms indicative of any adverse health hazard are expected to occur as a result of inhalation exposure.
Skin Contact	No significant signs or symptoms indicative of any adverse health hazard are expected to occur as a result of skin exposure.
Eye Contact	May cause minimal irritation
Skin Absorption	No significant signs or symptoms indicative of any adverse health hazard are expected to occur as a result of skin absorption exposure.
Ingestion	No significant signs or symptoms indicative of any adverse health hazard are expected to occur as a result of ingestion.

## ECOLOGICAL INFORMATION

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Do not allow to escape into sewer/public waters or soil. No Data Available

## DISPOSAL CONSIDERATIONS

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Landfill solids at permitted sites. Use registered transporters. Burn concentrated liquids. Avoid flame-outs. Assure emissions comply with applicable regulations. Aqueous wastes may not biodegrade. Contaminated product, soil, water, container residues and spill cleanup materials should not be designed as hazardous wastes.

## TRANSPORT INFORMATION

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GGVSee/IMDG Code: Not Regulated	UN No: Not Regulated	MFAG:	EmS
PG: --		MPO: --	
GGVE/GGVS:		RID/ADR Class: Not Regulated	
ADNR/VBG:		ICAO/IATA-DGR: Not Regulated	

Declaration for land shipment: --  
Declaration for sea shipment: --  
Declaration for shipment by air: --  
Other information: --

## REGULATORY INFORMATION

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No Information Available. Not Regulated

## OTHER INFORMATION

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